

=> fil hcap

FILE 'HCAPLUS' ENTERED AT 16:30:36 ON 13 JUN 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 13 Jun 2007 VOL 146 ISS 25

FILE LAST UPDATED: 12 Jun 2007 (20070612/ED)

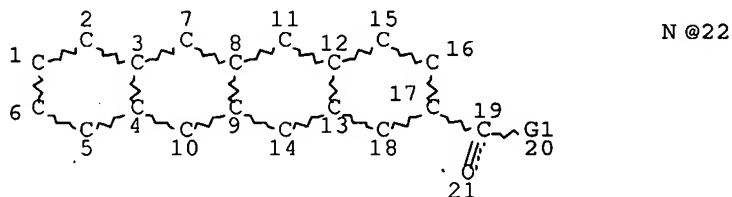
New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que l13

L1

STR



VAR G1=22/CN

NODE ATTRIBUTES:

NSPEC IS RC AT 22

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

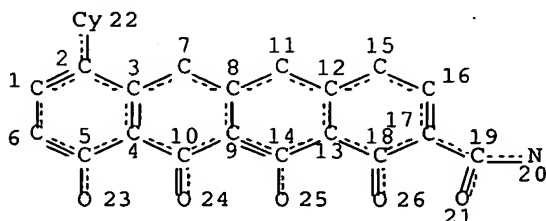
RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE

L3 9998 SEA FILE=REGISTRY SSS FUL L1

L4 STR



## NODE ATTRIBUTES:

CONNECT IS E2 RC AT 6  
 DEFAULT MLEVEL IS ATOM  
 GGCAT IS UNS AT 22  
 DEFAULT ECLEVEL IS LIMITED

## GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED  
 NUMBER OF NODES IS 26

## STEREO ATTRIBUTES: NONE

L6 690 SEA FILE=REGISTRY SUB=L3 SSS FUL L4  
 L7 28 SEA FILE=HCAPLUS ABB=ON PLU=ON L6  
 L8 93 SEA FILE=HCAPLUS ABB=ON PLU=ON ("DRAPER M"/AU OR "DRAPER M A"/AU OR "DRAPER M D"/AU OR "DRAPER M H"/AU OR "DRAPER M P"/AU OR "DRAPER M R"/AU OR "DRAPER M S"/AU OR "DRAPER M W"/AU OR "DRAPER MICHAEL"/AU OR "DRAPER MICHAEL D"/AU OR "DRAPER MICHAEL DAVID"/AU OR "DRAPER MICHAEL L"/AU OR "DRAPER MICHAEL P"/AU OR "DRAPER MICHAEL PRESTON"/AU OR "DRAPER MICHAEL W"/AU OR "DRAPER MICHAEL WILLIAM"/AU)  
 L9 281 SEA FILE=HCAPLUS ABB=ON PLU=ON ("NELSON M"/AU OR "NELSON M L"/AU OR "NELSON MARK"/AU OR "NELSON MARK L"/AU OR "NELSON MARK LESLIE"/AU)  
 L10 8 SEA FILE=HCAPLUS ABB=ON PLU=ON L8 AND L9  
 L11 24 SEA FILE=HCAPLUS ABB=ON PLU=ON (L8 OR L9) AND L6  
 L12 24 SEA FILE=HCAPLUS ABB=ON PLU=ON L11 OR L10  
 L13 4 SEA FILE=HCAPLUS ABB=ON PLU=ON L7 NOT L12

=> d l13 ibib abs hitstr tot

L13 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:979619 HCAPLUS Full-text

DOCUMENT NUMBER: 143:286216

TITLE: Preparation of tetracyclines for therapeutic use as calpain inhibitors

INVENTOR(S): Angusti, Angela; Hou, Sheng T.; Jiang, Xiuxian Susan; Komatsu, Hiroto; Konishi, Yasuo; Kubo, Takahiro; Lertvorachon, Jittiwud; Roman, Gheorghe

PATENT ASSIGNEE(S): National Research Council of Canada, Can.

SOURCE: PCT Int. Appl., 95 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005082860	A1	20050909	WO 2005-CA279	20050225
WO 2005082860	A8	20051208		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

diazonium salt, and a reactive organic substituent precursor, e.g., alkenes, substituted alkenes, vinyl monomers, aroms. and heteroaroms., in the presence of a transition metal catalyst, such as palladium chloride, under conditions such that a tetracycline compound substituted with the organic substituent is formed. Such compds. may optionally act as intermediates for making other compds., e.g., hydrogenation of unsatd. groups on the substituent. Thus, sancycline-HCl was treated with N-iodosuccinimide in concentrated H<sub>2</sub>SO<sub>4</sub> to give 61% 7-iodosancycline and 22% 7,9-diodosancycline. 7-Iodosancycline was added to a degassed solution of MeOH containing Na<sub>2</sub>CO<sub>3</sub> and Pd(OAc)<sub>2</sub> and then 4-chlorophenylbroonic added to give 7-(4-chlorophenyl)sancycline (I). Antibacterial activity of several derivs. was tabulated.

IT 263760-99-2P

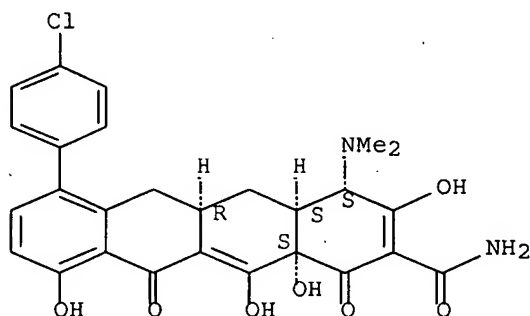
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); IMF (Industrial manufacture); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(methods of preparing substituted tetracyclines with transition metal-based chemistries)

RN 263760-99-2 HCAPLUS

CN 2-Naphthacenecarboxamide, 7-(4-chlorophenyl)-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,10,12,12a-tetrahydroxy-1,11-dioxo-, (4S,4aS,5aR,12aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his nofil

(FILE 'HOME' ENTERED AT 16:19:30 ON 13 JUN 2007)

FILE 'REGISTRY' ENTERED AT 16:19:43 ON 13 JUN 2007

L1 STR  
L2 50 SEA SSS SAM L1  
L3 9998 SEA SSS FUL L1  
SAVE TEMP L3 QAZIPAR/A

FILE 'STNGUIDE' ENTERED AT 16:20:50 ON 13 JUN 2007

FILE 'REGISTRY' ENTERED AT 16:24:26 ON 13 JUN 2007

L4 STR L1  
L5 33 SEA SSS SAM L4  
L6 690 SEA SUB=L3 SSS FUL L4

FILE 'HCAPLUS' ENTERED AT 16:26:28 ON 13 JUN 2007

L7 28 SEA ABB=ON PLU=ON L6  
E DRAPER M/AU  
L8 93 SEA ABB=ON PLU=ON ("DRAPER M"/AU OR "DRAPER M A"/AU OR  
"DRAPER M D"/AU OR "DRAPER M H"/AU OR "DRAPER M P"/AU OR  
"DRAPER M R"/AU OR "DRAPER M S"/AU OR "DRAPER M W"/AU OR  
"DRAPER MICHAEL"/AU OR "DRAPER MICHAEL D"/AU OR "DRAPER  
MICHAEL DAVID"/AU OR "DRAPER MICHAEL L"/AU OR "DRAPER MICHAEL  
P"/AU OR "DRAPER MICHAEL PRESTON"/AU OR "DRAPER MICHAEL W"/AU  
OR "DRAPER MICHAEL WILLIAM"/AU)  
E NELSON M/AU  
L9 281 SEA ABB=ON PLU=ON ("NELSON M"/AU OR "NELSON M L"/AU OR  
"NELSON MARK"/AU OR "NELSON MARK L"/AU OR "NELSON MARK  
LESLIE"/AU)  
L10 8 SEA ABB=ON PLU=ON L8 AND L9  
L11 24 SEA ABB=ON PLU=ON (L8 OR L9) AND L6  
L12 24 SEA ABB=ON PLU=ON L11 OR L10  
L13 4 SEA ABB=ON PLU=ON L7 NOT L12

FILE 'HCAPLUS' ENTERED AT 16:30:36 ON 13 JUN 2007

D QUE L13  
D L13 IBIB ABS HITSTR TOT  
D QUE L12  
D L12 IBIB ABS HITSTR TOT  
D COST  
D L12 IBIB ABS FHITSTR 6-24